

Contents

C H A P T E R I

Variables in the Web Design Environment

HTML, XML, and the Future of Markup Languages | 2

HTML: Then and Now | XML: An Open Standard For Structuring Data | XHTML: The Future of HTML

How Web Browsers Affect Your Work | 8

Lowest Common Denominator Coding | Cutting-Edge Coding | Browser-Specific Coding | Solving the Browser Dilemma

Should You Use an HTML Editor? | 11

Coding for Multiple Screen Resolutions | 12

Fixed Resolution Design | Flexible Resolution Design

Bandwidth Concerns | 17

How Pages Are Delivered to the User | Testing for Download Times | Using the Cache

Summary & Review | 21

Review Questions | 21

Projects | 22

Case Study | 23

Project Proposal

CHAPTER 2

Web Site Design Principles

Design for the Medium | 26

*Craft the Look and Feel | Make Your Design Portable |
Design for Low Bandwidth | Plan for Clear Presentation
and Easy Access to Your Information*

Design the Whole Site | 30

*Create Smooth Transitions | Use a Grid to Provide
Visual Structure | Use of Active White Space*

Design for the User | 38

*Design for Interaction | Design for Location | Guide
the User's Eye | Keep a Flat Hierarchy | Use the
Power of Hypertext Linking | How Much Content Is
Enough?*

Design for the Screen | 51

A Screen Is Not a Page

Summary & Review | 54

Review Questions | 55

Projects | 56

Case Study | 56

CHAPTER 3

Planning the Site

Create a Site Specification | 58

Identify the Content Goal | 58

Analyze your Audience | 60

Identify Technology Issues and Constraints

Build a Web Site Development Team | 62

Filenames and URLs | 63

File Naming | URL Usage

Directory Structure | 66

*Relative versus Absolute Paths | Building a Relative
File Structure*

Diagram the Site | 69

Create the Information Structure

Summary & Review | 74
Review Questions | 74
Projects | 75
Case Study | 75

C H A P T E R 4 Planning Site Navigation

Creating Usable Navigation | 78
Locating the User | Limiting Information Overload

Using Text-Based Navigation | 81
Linking with a Text-Based Navigation Bar | Linking to Individual Files | Linking to Document Fragments | Linking to External Document Fragments | Adding Contextual Linking

Using Graphics-Based Navigation | 94
Using Text Images for Navigation | Using Icons for Navigation | Using the ALT Attribute

Summary & Review | 101
Review Questions | 102
Projects | 102
Case Study | 103

C H A P T E R 5 Creating Page Templates

Understanding Table Basics | 106
Using Table Elements | Defining Table Attributes | Spanning Columns | Spanning Rows | Choosing Relative or Fixed Table Widths | Determining the Correct Fixed Width for a Table | Removing Default Table Spacing

Table Pointers | 117
Writing Easy-to-Read Table Code | Removing Extra Spaces | Centering Tables | Stacking Tables | Nesting Tables

Creating a Page Template | 121

Building the Basic Table Structure | Setting a Fixed Width | Creating the Page Banner Cell | Creating the Feature Cell | Creating the Link Columns | Setting the Column Widths | Vertically Aligning Cells | Testing the Template

Template Examples | 130

Two-Column Template | Two-Column with Banner Template | Three-Column Template | Three-Column with Banner Template | Three-Column Main Template | Three-Column Sectioned Template | Three-Column Main Sectioned Template

Summary & Review | 136**Review Questions | 137****Projects | 138****Case Study | 138****C H A P T E R 6****Web Typography**

Type Design Principles | 140

Choose Fewer Fonts and Sizes | Use Available Fonts | Design for Legibility | Avoid Using Text as Graphics

Controlling Typography with the Element | 145

Setting Font Size | Specifying Font Alternates | Setting Font Color | Using the Element

Controlling Typography with Cascading Style Sheets | 147

CSS Basics | CSS Selection Techniques | CSS Font Properties | Specifying Block-Level Space Values

Styling with CSS | 161

Setting up Document Divisions | Styling the Standard Paragraph | Styling the Chapter Number | Styling the Chapter Title | Styling the Credit and Book Title

Summary & Review | 169

Review Questions | 169

Projects | 170

Case Study | 170

C H A P T E R 7

Graphics and Color

File Format Basics | 172

*GIF | JPG | PNG | Using Interlacing and
Progressive Display | Where You Can Find Images |
Choosing the Right Format*

Computer Color Basics | 177

Color Depth | Dithering | Using Non-Dithering Colors

Choosing a Graphics Tool | 178

Using the Element | 179

*Replacing Attributes with Style Sheets |
Specifying ALT Attribute Text | Specifying Image Width
and Height | Sizing Graphics for the Page |
Removing the Hypertext Border from an Image |
Aligning Text and Images | Adding White Space
Around Images | Using Transparent Spacer GIFs |
Using Single-Pixel Rules | Using Background Images*

Working with Hexadecimal Colors | 196

*Universal Color Names | Setting Background Page
Color | Using Background Color in Tables |
Changing Link Colors*

Summary & Review | 201

Review Questions | 201

Projects | 202

Case Study | 203

C H A P T E R 8

HTML Frames

Understanding Frames | 206

Frame Benefits | Frame Drawbacks

Frame Syntax | 208

*The <FRAMESET> Element | The <FRAME> Element |
The <NOFRAMES> Tag | Nesting Frames | Restricting
Resizing | Controlling Scroll Bars | Controlling
Frame Borders | Controlling Frame Margins*

Targeting in Framesets | 217

*Naming Frames | Targeting Named Frames | Using
Special Target Names*

Planning Frame Content | 224

*Frames and Screen Resolution | Designing Effective
Frames | Mixing Fixed and Variable Frames*

Summary & Review | 230

Review Questions | 231

Projects | 232

Case Study | 233

C H A P T E R 9**Publishing and Maintaining Your Web Site**

Publishing Your Web Site | 236

Choosing an Internet Service Provider | Buying a Domain Name | ISP Comparison Checklist | Using the File Transfer Protocol to Upload Files

Testing Your Web Site | 241

Testing Considerations | User Testing | Vary Your Subjects | Formalize Your Testing | Develop a Feedback Form

Refining and Updating Your Content | 243**Attracting Notice to Your Web Site | 244**

Working with Search Engines | Use Meaningful Titles | Using <META> Elements | Be Careful with Frames | Use ALT Text with Images | Submit URLs to Search Engines

Summary & Review | 247**Review Questions | 247****Projects | 248****Case Study | 248**

A P P E N D I X A HTML Reference

Core Attributes | 250

Alphabetical HTML Reference | 250

Categorical HTML Reference | 256

Global Structure Elements | *Text Elements* | *List Elements* | *Table Elements* | *Link Elements* | *Inclusion Elements* | *Style Sheet Elements* | *Formatting Elements* | *Frames Elements*

Numeric and Character Entities | 263

A P P E N D I X B CSS Reference

Alphabetical CSS Property Reference | 270

CSS Properties by Category | 273

Font and Text Properties | *Box Properties* | *Background Properties* | *Classification Properties*

CSS Measurement Units | 277

G L O S S A R Y

Glossary | 279

Index | 283